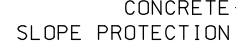




PIPE THRU FILL OR
CARRY DITCH THRU
WHEN WARRANTED

TYPICAL SIDEWALK AND CURB
(WHEN CONDITIONS WARRANT)

(OTHER THAN FREEWAY OR MAJOR HIGHWAY)



PIPE THRU FILL OR
CARRY DITCH THRU
WHEN WARRANTED

TYPICAL SIDEWALK AND
CURB WHEN REQUIRED

(OTHER THAN FREEWAY OR MAJOR HIGHWAY)



PIPE THRU FILL FOR
DRAINAGE OR CARRY
DITCH THRU WHEN
CONDITIONS WARRANT

(FREEWAY OR MAJOR HIGHWAY)



PIPE THRU FILL FOR
DRAINAGE OR CARRY
DITCH THRU WHEN
CONDITIONS WARRANT

(FREEWAY OR MAJOR HIGHWAY)

1. USE A RANGE OF 6" ALLOWED ABOVE
THE MINIMUM CLEARANCE SHOWN EXCEPT WHEN
OTHER GEOMETRIC CONSIDERATIONS GOVERN.
2. PROVIDE ADEQUATE PROTECTION FOR OBSTRUCTIONS
WITHIN THE CLEAR ZONE.
3. PROVIDE A MINIMUM OF 17'6" VERTICAL CLEARANCE
FOR PEDESTRIAN OVERPASSES AND OVERHEAD SIGN
STRUCTURES.
4. USE CURRENT EDITION OF THE AASHTO ROADSIDE
DESIGN GUIDE FOR CLEAR ZONE REQUIREMENTS.
5. FOR:
 - 40 MPH AND UNDER
USE 4'-0" MINIMUM WITH CURB
USE 1/2 CLEAR ZONE WITHOUT CURB
 - 45 MPH AND ABOVE
USE CLEAR ZONE OR BARRIER
6. WHEN ROADWAY DESIGN REQUIRES A 12' OR WIDER
EFFECTIVE SHOULDER THE 2' MIN BARRIER OFFSET
IS OPTIONAL.

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE COUNTY DIVISION

RECOMMENDED FOR APPROVAL *[Signature]* OCT. 30, 2008
DATE

CHAIRMAN STANDARDS COMMITTEE *[Signature]* OCT. 30, 2008
APPROVED DATE

DEPUTY DIRECTOR *[Signature]*

STANDARD DRAWING TITLE

STD DWG
DD 8